

What is claimed is:

1. A lighter, comprising:

a lighter housing, a storage within said housing having an outlet valve, an inlet valve and a gas chamber for storing flammable liquid gas, an outlet gas control bar for controlling gas supply from said storage, at least an ignition chamber connected to a gas passage of said storage, at least an ignition means, a head cover for protecting said ignition chamber, characterized in that it also includes an middle seat provided between said outlet valve and said ignition chamber to support said ignition chamber, and said storage has its inlet valve provided besides said outlet valve and the port of said inlet valve arranged upward, and on the core of said inlet valve there is also provided with a gear adjustment mechanism, and on the case of said outlet valve there is provided with a gear engaged with said gear adjustment mechanism.

2. A lighter as claimed in claim 1, characterized in that said gear adjustment mechanism includes a transmission gear and rotation head.
3. A lighter as claimed in claim 2, characterized in that said rotation head is of gear type or slot structure.
4. A lighter as claimed in claim 1 or 2, characterized in that said gear adjustment mechanism is arranged upwards along with the axis direction of said inlet valve, and at least partially protrudes over said middle seat or is located within said middle seat.
5. A lighter as claimed in claim 1 or 2, characterized in that said gear adjustment mechanism is at least partially exposed on one side of said middle seat.